

# OILCO

## MOTOR GASOLINE SPECIFICATION

TEST	ANALYSIS	UNITS	LIMITS		TEST METHOD	
			MIN	MAX	ASTM	EN
1	DENSITY @ 15° C	Kg/m <sup>3</sup>	720	775	D 1298 D 4052	ISO 3675 ISO 12185
2	RESEARCH OCTANE NUMBER (SEE NOTE 1)	PREMIUM	95		D2699	ISO 5164
3	MOTOR OCTANE NUMBER	PREMIUM	85		D2700	ISO 5163
4	REID VAPOR PRESSURE (SEE NOTE 2)				(SEE NOTE 3)	
4.1	SPRING	KPA	50	62		
4.2	SUMMER	KPA	45	60	D323	
4.3	FALL	KPA	50	65		
4.4	WINTER	KPA	60	70		
5	DISTIILLATION @ 760 mmHg : (SEE NOTE 2)	% V/V			D 86	ISO 3405
5.1	EVAPORATED AT 70 °C (SPRING, SUMMER,FALL)	% V/V	20	46		
5.2	EVAPORATED AT 70 °C (WINTER)	% V/V	22	46		
5.3	EVAPORATED AT 100 °C (ALL SEASONS)	% V/V	46	71		
5.4	EVAPORATED AT 150 °C (ALL SEASONS)	% V/V	75	-		
5.5	FINAL BOILING POINT (ALL SEASONS)	°C	190	215		
5.6	RESIDUE (ALL SEASONS)	% V/V	-	2		
6	HYDROCAROBN ANALYSIS :				(SEE NOTE 4)	ISO 22854
6.1	OLEFINS	% V/V		18	D6839/D5986/ D1319	EN 1601
6.2	AROMATICS	% V/V		35	D6839/D5986/ D1319	EN 13132
6.3	BENZENE	% V/V		1	D6277/D5580	
7	OXYGEN CONTENT	% M/M		2.7		ISO 22854
8	ALCOHOL	% V/V		NIL		ISO 22854
9	SULFUR	mg/kg		50	D7039/D2622/ D5453	ISO 20846
10	LEAD CONTENT			NIL	D 3237/ D 5059	EN 237
11	EXISTENT GUM (WASHED)	Mg/100ml		5	D 381	
12	COPPER CORROSION (3 HOURS AT 50 °C)	SCALE		CLASS 1	D 130	
13	INDUCTION PERIOD AT 100 °C	MINUTES	360		D 525	
14	COLOR – GREEN (ABSORBANCE AT MAXIMUM WAVE LENGTH) (SEE NOTE 5)			0.16	(SEE NOTE 6 )	
15	Mn CONTENT (SEE NOTE 1)			NIL	D 3831	
16	Fe CONTENT (SEE NOTE 1)			NIL	D 5863	

Export products of Oilco Company

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## The Latest Bandar Abbas Heavy Naphtha Guaranteed Specification OILCO

Analysis	Unit	limit	Test Method
Density @ 15.0 °C	Kg/m3	0.700-0.765	ASTM D1298
Distillation	°C		ASTM D86
I.B.P	°C	75-90	ASTM D86
F.B.P	°C	170-200	ASTM D86
Residue	% Vol	0.5-1.5	ASTM D86
Loss	%Vol	0.5-1.5	ASTM D86
Total Sulphur	% Wt	0.05-0.15	ASTM D1266
Vapour Pressure	K.Pa	13-24	ASTM D323
H2S	PPM	Trace	IP-103
Colour, Saybolt	-	25 min	ASTM D1500
Bromine Number	Mg/100ml	1 max	ASTM D1159
Paraffin Content	%Vol	50-70	GC
Olefins Content	%Vol	0.5-1	GC
Naphthene Content	%Vol	15-30	GC
Aromatics Content	%Vol	10-18	GC
Lead (PB)	P.P.B	20 max	UOP-350
Copper	PPM	0.03-0.07	A.A
Silicon	PPM	Trace	A.A
Nitrogen	PPM	1 max	UOP-313
Water Content	PPM	300 max	ASTM E1064
Chloride	PPM	5-10	UOP-799
As	P.P.B	10 max	A.A
C/H Ratio	%Vol	5.5-6.5	Calculate
Gum Existent	Mg/100ml	1	ASTM D381

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**Bandar Mahshahr (Abadan) 280 CST Fuel Oil Guaranteed Export Quality**

**OILCO**

<b>Bandar Mahshahr (Abadan) 280 CST Fuel Oil Guarantee Export Quality</b>			
<b>Test</b>	<b>Unit</b>	<b>Specification</b>	<b>Test Method</b>
Density @ 15DC	KG/M <sup>3</sup>	MAX 970	D-1298
Kinomatic Viscosity @ 50 DC	CST	MAX 280	D-445
Visco. Rodwood1@37.7DC	SECS	MAX 2500	Calculated
Pour Point	DC	MAX 24	D-97
Flash Point	DC	MIN 65	D-93
Sulphur Total	WT%	MAX 3.5	D-1552
Carbon Residue (Conradson)	WT%	MAX 15	D-189
Ash	WT%	MAX 0.05	D-482
Water	VOL%	MAX 0.5	D-1796
Calorific Value (Higher)	MJ/KG	MIN 41.8	Calculated

**Analysis of Oilco export products  
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## **Bandar Abbas 380 CST Fuel Oil Guaranteed Export Quality**

**OILCO**

<b>Bandar Abbas 380 CST Fuel Oil Guarantee Export Quality</b>			
<b>Test</b>	<b>Unit</b>	<b>Specification</b>	<b>Test Method</b>
Density @ 15DC	KG/M <sup>3</sup>	MAX 990	D-1298
Kinomatic Viscosity @ 50 DC	CST	MAX 380	D-445
Pour Point	DC	MAX 32	D-97
Flash Point	DC	MIN 65	D-93
Sulphur Total	WT%	MAX 3.5	D-1552
Carbon Residue (Conradson)	WT%	MAX 15	D-189
Ash	WT%	MAX 0.15	D-482
Water	VOL%	MAX 1.0	D-1796
Calorific Value (Higher)	MJ/KG	MIN 41.7	Calculated

### **Analysis of Oilco Export Products**

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## Gasoil Specification 500 PPM OILCO

Analysis	Unit	Limit	Test Method
Density @ 15°C	Kg/m <sup>3</sup>	820-860	ASTM D1298
Distillation:			
Recovered @ 150°C	Vol%	report	ASTM D86
Recovered @ 300°C	Vol%	report	ASTM D86
Recovered @ 357°C	Vol%	90 min	ASTM D86
F.B.P	°C	385 max	ASTM D86
Colour	-	3 max	ASTM D1500
Flash point	°C	54 min	ASTM D93
Sulphur Total	wt%	0.05 max	ASTM D1552
Corrosion-3hrs@100°C	-	1 a	ASTM D130
Viscosity Kinematic@37.8°C	c.St	2.0-5.5	ASTM D445
Cloud point	°C	*2.0 max	ASTM D2500
Pour point	°C	*-3.0 max	ASTM D97
Carbon Residue ( on 10 % Bottoms)	wt%	0.1 max	ASTM D189
Ash	wt%	0.01 max	ASTM D482
Water & Sediment	Vol%	0.05 max	ASTM D2709
Cetane Index	-	49 min	ASTM D976

**Export products of Oilco Company**

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